This quiz has 10 questions for a total of 15 points.

1. (1 point) Sort these in increasing order of long-term validity: A+, MCSE, RHCE, SAGE Level II.

2. (1 point) Sort these in increasing order of confidence an employer can have in an employee’s knowledge of a particular vendor’s technology: A+, MCSE, RHCE, SAGE Level II.

3. (1 point) The S in the acronym SUM CRUD stands for:
   - Summation
   - Systems
   - Software
   - Something else

4. (1 point) The primary purpose of layers in Operating Systems is:
   - To provide better security
   - To enable developers to ignore other parts of the system
   - To make OS’s more like onions and ogres

5. (a) (1 point) If there were no BIOS, but there was POST and MBR, the booting process would have problems:
   1. with floppy drives
   2. with CD ROM drives
   3. with hard drives
   4. with only some of the above
   5. none of the above

(b) (1 point) Explain your answer
6. (1 point) The purpose of HAL is:

- to keep Dave from working
- to understand what particular hardware is available on a system
- to ignore what particular hardware is on the system

7. (1 point) True/False: It is impossible to start an operating system without a boot loader.

8. (1 point) Which of the following is not usually found inside a disk drive:

- spindle
- needle
- magnet
- arm
- head
- cylinder
- block
- ball

9. (a) (1 point) True/False: It is always necessary to partition a disk before using it.

(b) (1 point) Explain.

10. (4 points) List four layers of abstraction in dealing with disks and filesystems, and label with the corresponding Linux and Windows tools to manage the system at that layer.

1.
2.
3.
4.